

02.07.06

10/595 088

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026845A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B32B27/40 B29C33/42 H01J17/49

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B32B B29C H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02, 28 February 1997 (1997-02-28) & JP 8 273538 A (DAINIPPON PRINTING CO LTD), 18 October 1996 (1996-10-18) abstract paragraphs '0007! - '0012!; examples paragraphs '0013! - '0016! paragraph '0021!	1-21
Y	WO 00/39829 A (MINNESOTA MINING & MFG) 6 July 2000 (2000-07-06) page 5, lines 19-27 page 17, line 20 - page 19, line 25 page 20, lines 1-14; claims; examples 1,10 ----- -/-	1-21

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

15 November 2004

Date of mailing of the international search report

25/11/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hutton, D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026845

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/52299 A (KIKUCHI HIROSHI ; SUGIMOTO TAKAKI (JP); SUWA TOSHIHIRO (JP); YODA AKIR) 19 July 2001 (2001-07-19) page 5, line 31 - page 6, line 19; examples 1,3	1-21
Y	WO 00/69941 A (DSM NV) 23 November 2000 (2000-11-23) page 2, line 25 - page 22, line 32 page 23, line 1 - page 27, line 12; claims; examples	1-21
Y	US 4 929 403 A (AUDSLEY EDWIN F) 29 May 1990 (1990-05-29) column 6, line 21 - column 7, line 53	1-21
A	EP 0 836 892 A (DAINIPPON PRINTING CO LTD) 22 April 1998 (1998-04-22) examples 4,5	1-21
Y	TARASIUK B ET AL: "URETHANE-ACRYLATES AS MAIN COMPONENTS OF LACQUERS FOR PROTECTIVE COATING OF SOME MATERIALS" MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY. SECTION A. MOLECULAR CRYSTALS AND LIQUID CRYSTALS, GORDON AND BREACH PUBLISHERS, CH, CH, vol. 354, June 2000 (2000-06), pages 49-53,637, XP008023547 ISSN: 1058-725X the whole document	1-21
Y	PODKOSCIELNY W ET AL: "URETHANE-ACRYLATE COMPOSITIONS CURED BY UV RADIATION AS INTERMEDIATE PROTECTIVE COVERS OF OPTICAL FIBERS" ANGEWANDTE MAKROMOLEKULARE CHEMIE. APPLIED MACROMOLECULAR CHEMISTRY AND PHYSICS, WILEY VCH,WEINHEIM, DE, vol. 242, 1 November 1996 (1996-11-01), pages 123-138, XP000689751 ISSN: 0003-3146 the whole document	1-21
Y	US 6 449 413 B1 (DUECKER DAVID C) 10 September 2002 (2002-09-10) column 5, line 60 - column 6, line 51; examples	1-21
P,X	WO 2004/062870 A (SUGIMOTO TAKAKI ; 3M INNOVATIVE PROPERTIES CO (US)) 29 July 2004 (2004-07-29) page 9, line 8 - page 11, line 32; claims 1-9; example 1	1-21

-/--

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026845

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/010452 A (KAWAI TAKAYUKI ; YOKOYAMA CHIKAFUMI (JP); 3M INNOVATIVE PROPERTIES CO) 29 January 2004 (2004-01-29) page 5, line 10 - page 13, line 17; example 1	1-21
P,X	WO 2004/007166 A (KIKUCHI HIROSHI ; YODA AKIRA (JP); YOKOYAMA CHIKAFUMI (JP); 3M INNOVAT) 22 January 2004 (2004-01-22) page 2, line 25 - page 10, line 12; claims; examples 1,3 * Comparative Example 1 +3	1-21

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/026845

Information on patent family members

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 8273538	A	18-10-1996	NONE	
WO 0039829	A	06-07-2000	US 6247986 B1 AU 3460599 A CA 2352769 A1 CN 1331835 T EP 1147536 A1 JP 2002533898 T TW 432442 B WO 0039829 A1 US 2004058614 A1 US 2001007682 A1 US 2002038916 A1	19-06-2001 31-07-2000 06-07-2000 16-01-2002 24-10-2001 08-10-2002 01-05-2001 06-07-2000 25-03-2004 12-07-2001 04-04-2002
WO 0152299	A	19-07-2001	JP 2001191345 A AT 263428 T AU 3441501 A DE 60102566 D1 EP 1254476 A1 WO 0152299 A2 US 2003022585 A1 US 2004166760 A1	17-07-2001 15-04-2004 24-07-2001 06-05-2004 06-11-2002 19-07-2001 30-01-2003 26-08-2004
WO 0069941	A	23-11-2000	AU 4626200 A EP 1185569 A1 JP 2002544351 T WO 0069941 A1 US 6350790 B1	05-12-2000 13-03-2002 24-12-2002 23-11-2000 26-02-2002
US 4929403	A	29-05-1990	NONE	
EP 0836892	A	22-04-1998	JP 10118561 A JP 10144207 A EP 0836892 A2 US 5992320 A JP 10200239 A	12-05-1998 29-05-1998 22-04-1998 30-11-1999 31-07-1998
US 6449413	B1	10-09-2002	US 6122428 A US 5881194 A AT 141301 T AU 622752 B2 AU 4853290 A DE 69028051 D1 DE 69028051 T2 DK 407004 T3 EP 0407004 A2 ES 2090096 T3 GR 3020823 T3 JP 3039314 A JP 3444855 B2 JP 2001215373 A JP 3441725 B2 JP 2003185895 A KR 204260 B1	19-09-2000 09-03-1999 15-08-1996 16-04-1992 10-01-1991 19-09-1996 02-01-1997 09-12-1996 09-01-1991 16-10-1996 30-11-1996 20-02-1991 08-09-2003 10-08-2001 02-09-2003 03-07-2003 15-06-1999
WO 2004062870	A	29-07-2004	JP 2004216641 A WO 2004062870 A1	05-08-2004 29-07-2004

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US2004/026845

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004010452 A	29-01-2004	JP 2004050493 A WO 2004010452 A2	19-02-2004 29-01-2004
WO 2004007166 A	22-01-2004	JP 2004047226 A WO 2004007166 A1	12-02-2004 22-01-2004